LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	15	rVB	1291803	1555726	13.26%	0.712%
2	5.481	573	577	581	rBV	6367692	6694696	57.08%	3.065%
3	6.492	744	749	752	rBV	6831631	7155916	61.01%	3.277%
4	6.628	767	772	775	rBV	7550829	6908611	58.90%	3.163%
5	6.851	806	810	818	rVB	2076947	1632342	13.92%	0.747%
6	7.010	833	837	840	rBV	6166449	5285689	45.06%	2.420%
7	7.410	900	905	908	rBV	4647269	4604995	39.26%	2.109%
8	8.133	1023	1028	1030	rBV	2081238	2026440	17.28%	0.928%
9	8.775	1131	1137	1142	rVB	260559	422767	3.60%	0.194%
10	9.204	1206	1210	1213	rBV	7328162	6555761	55.89%	3.002%
11	9.598	1274	1277	1285	rVB2	1206344	1313632	11.20%	0.601%
12	9.745	1298	1302	1306	rBV	2154655	1766719	15.06%	0.809%
13	9.886	1322	1326	1329	rVB	2276998	2080419	17.74%	0.953%
14	10.445	1416	1421	1425	rVB2	233599	389884	3.32%	0.179%
15	10.675	1454	1460	1463	rBV	4462376	4317752	36.81%	1.977%
16	10.798	1477	1481	1486	rBV3	451994	575601	4.91%	0.264%
17	11.263	1558	1560	1566	rVB	460487	472265	4.03%	0.216%
18	11.369	1572	1578	1580	rBV	2176860	2110996	18.00%	0.967%
19	11.398	1580	1583	1588	rVB	4372259	4038110	34.43%	1.849%
20	11.445	1588	1591	1593	rBV	1188920	921747	7.86%	0.422%
21	11.474	1593	1596	1600	rVV2	305456	330149	2.81%	0.151%
22	11.663	1622	1628	1631	rVB2	824593	908545	7.75%	0.416%
23	11.698	1631	1634	1638	rVB2	507392	451965	3.85%	0.207%
24	11.827	1652	1656	1660	rBV3	301678	448762	3.83%	0.205%
25	11.874	1660	1664	1666	rBV	1759948	1764127	15.04%	0.808%
26	11.898	1666	1668	1671	rVV	3016267	2568223	21.90%	1.176%
27	11.980	1679	1682	1685	rBV2	2760848	3047704	25.98%	1.395%
28	12.004	1685	1686	1691	rVB	1599333	1267453	10.81%	0.580%
29	12.163	1710	1713	1716	rVV	1608330	1601167	13.65%	0.733%
30	12.192	1716	1718	1724	rVB2	1847635	1764469	15.04%	0.808%
31	12.298	1733	1736	1737	rBV	387183	339047	2.89%	0.155%
32	12.345	1742	1744	1747	rBV	502645	428738	3.66%	0.196%
33	12.374	1747	1749	1751	rVB	498305	400694	3.42%	0.183%
34	12.421	1751	1757	1760	rBV2	2190068	2806952	23.93%	1.285%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.457	1760	1763	1765	rBV2	742800	686024	5.85%	0.314%
36	12.480	1765	1767	1769	rVB	804165	608913	5.19%	0.279%
37	12.510	1769	1772	1777	rBV2	1551513	1906134	16.25%	0.873%
38	12.592	1780	1786	1789	rBV	7138751	7317779	62.39%	3.351%
39	12.627	1789	1792	1794	rBV	495923	463686	3.95%	0.212%
40	12.680	1798	1801	1804	rVB	2244153	1792998	15.29%	0.821%
41	12.721	1805	1808	1811	rBV2	653086	821590	7.00%	0.376%
42	12.751	1811	1813	1820	rVB2	778244	1073199	9.15%	0.491%
43	12.827	1820	1826	1830	rBV	9331568	11588354	98.80%	5.306%
44	12.874	1830	1834	1837	rVB2	757627	912866	7.78%	0.418%
45	12.957	1844	1848	1857	rVB	4806539	5498239	46.87%	2.518%
46	13.033	1857	1861	1868	rBV	1783518	2829109	24.12%	1.295%
47	13.086	1868	1870	1872	rBV3	425658	402162	3.43%	0.184%
48	13.121	1872	1876	1878	rBV3	1582089	2197810	18.74%	1.006%
49	13.186	1884	1887	1888	rBV2	458861	414798	3.54%	0.190%
50	13.210	1888	1891	1894	rVV	939217	965039	8.23%	0.442%
51	13.251	1894	1898	1901	rVV	2479624	2404653	20.50%	1.101%
52	13.310	1905	1908	1910	rBV2	375731	441465	3.76%	0.202%
53	13.339	1910	1913	1916	rVV	2382355	2295452	19.57%	1.051%
54	13.368	1916	1918	1921	rVB	1990371	1756510	14.98%	0.804%
55	13.457	1930	1933	1936	rBV2	405753	383298	3.27%	0.176%
56	13.545	1940	1948	1950	rBV7	730688	1705935	14.54%	0.781%
57	13.651	1964	1966	1970	rVB	1345397	1320877	11.26%	0.605%
58	13.763	1981	1985	1987	rBV2	1322369	1504478	12.83%	0.689%
59	13.786	1987	1989	1992	rVV	1707429	1472076	12.55%	0.674%
60	13.815	1992	1994	1996	rVV	1651100	1287523	10.98%	0.590%
61	13.845	1996	1999	2000	rVV2	741975	857706	7.31%	0.393%
62	13.857	2000	2001	2005	rVB	1097918	1002654	8.55%	0.459%
63	14.010	2022	2027	2030	rBV2	6167778	9292168	79.22%	4.255%
64	14.045	2030	2033	2040	rVB	6561106	7719619	65.81%	3.535%
65	14.098	2040	2042	2047	rBV3	517283	678027	5.78%	0.310%
66	14.163	2050	2053	2056	rBV	2225261	2046845	17.45%	0.937%
67	14.268	2069	2071	2074	rVB3	478391	474447	4.04%	0.217%
68	14.333	2079	2082	2085	rVB3	390334	407695	3.48%	0.187%
69	14.363	2085	2087	2089	rBV	676727	665506	5.67%	0.305%
70	14.404	2089	2094	2097	rVV	2269959	2780609	23.71%	1.273%
71	14.439	2097	2100	2104	rVV2	1507784	1743227	14.86%	0.798%

LSC Area Percent Report

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Sample : K2765-15
Misc :
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Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.486	2104	2108	2112	rVV3	1471281	2360239	20.12%	1.081%
73	14.533	2112	2116	2117	rVV2	1402589	1444515	12.32%	0.661%
74	14.551	2117	2119	2122	rVB	1403257	1165369	9.94%	0.534%
75	14.598	2124	2127	2130	rVB	1123581	1085745	9.26%	0.497%
76	14.792	2157	2160	2163	rBV3	336894	487008	4.15%	0.223%
77	14.833	2165	2167	2170	rVB2	492230	487932	4.16%	0.223%
78	14.862	2170	2172	2175	rVB2	637561	502113	4.28%	0.230%
79	14.892	2175	2177	2182	rBV3	368893	584446	4.98%	0.268%
80	14.957	2186	2188	2191	rBV3	295656	360002	3.07%	0.165%
81	15.074	2201	2208	2214	rBV	5231609	11729578	100.00%	5.371%
82	15.121	2214	2216	2218	rVV2	497185	475471	4.05%	0.218%
83	15.168	2221	2224	2228	rVB	1424439	1684149	14.36%	0.771%
84	15.374	2253	2259	2264	rVB	4543063	6511833	55.52%	2.982%
85	15.439	2264	2270	2273	rBV2	4835824	7166554	61.10%	3.281%
86	15.492	2273	2279	2282	rVV2	1596939	2415673	20.59%	1.106%
87	15.521	2282	2284	2291	rVB2	942254	1506968	12.85%	0.690%
88	15.668	2304	2309	2311	rBV3	339680	615017	5.24%	0.282%
89	15.809	2330	2333	2336	rVB	421219	461069	3.93%	0.211%
90	15.845	2336	2339	2346	rVB2	464376	619394	5.28%	0.284%
91	15.927	2348	2353	2357	rBV3	479383	766400	6.53%	0.351%
92	15.968	2357	2360	2363	rBV2	237275	377340	3.22%	0.173%
93	16.009	2364	2367	2370	rVB2	391221	488348	4.16%	0.224%
94	16.051	2370	2374	2378	rBV2	570434	755310	6.44%	0.346%
95	16.509	2448	2452	2460	rBV3	285112	485589	4.14%	0.222%
96	16.804	2499	2502	2516	rVB2	560409	1685700	14.37%	0.772%
97	16.968	2522	2530	2536	rVB	2131842	4492719	38.30%	2.057%
98	17.127	2553	2557	2562	rBV	297644	542094	4.62%	0.248%
99	17.192	2562	2568	2576	rBV	601920	2123049	18.10%	0.972%
100	17.421	2598	2607	2613	rVB	1889697	4339762	37.00%	1.987%

Sum of corrected areas: 218396919

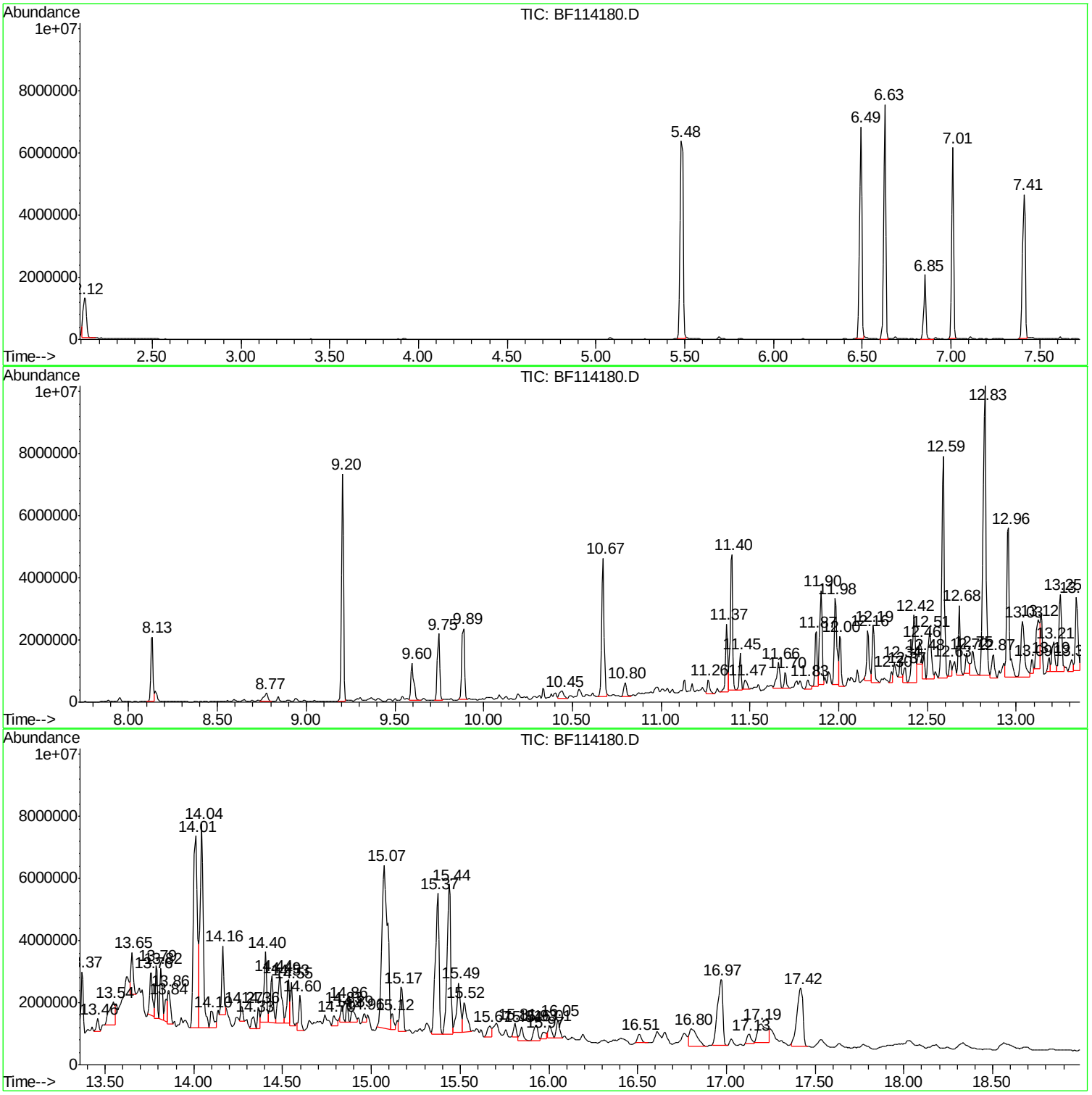
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

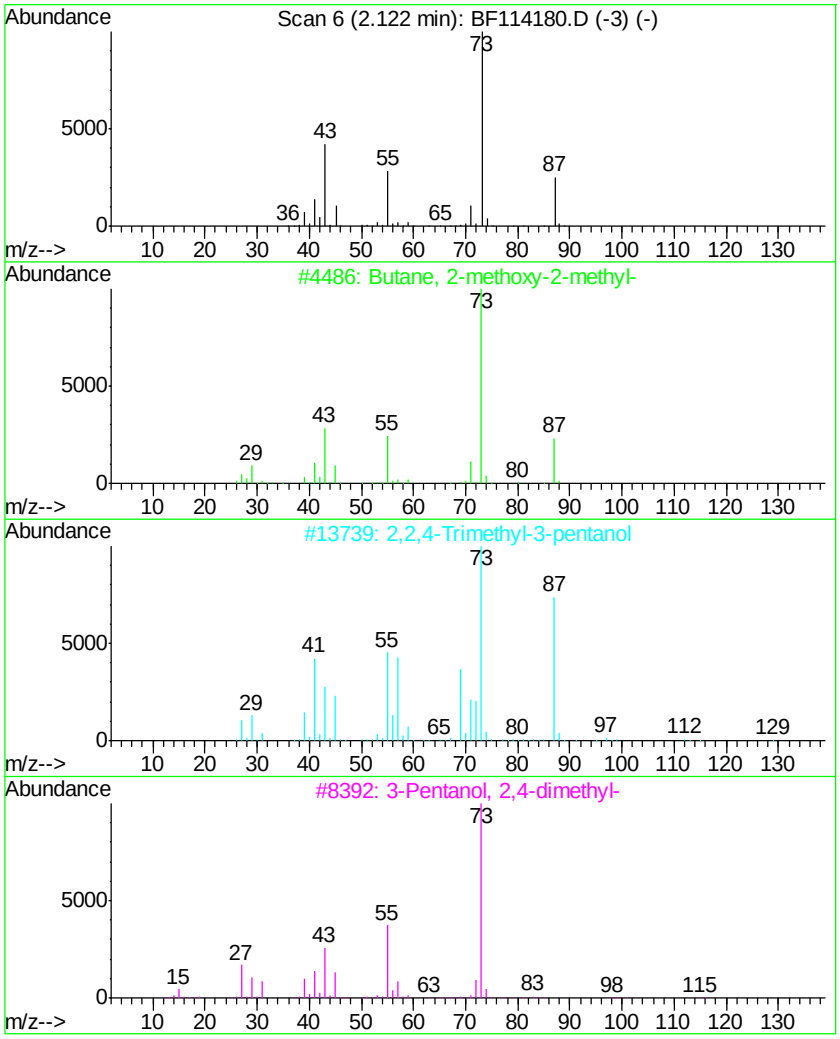
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

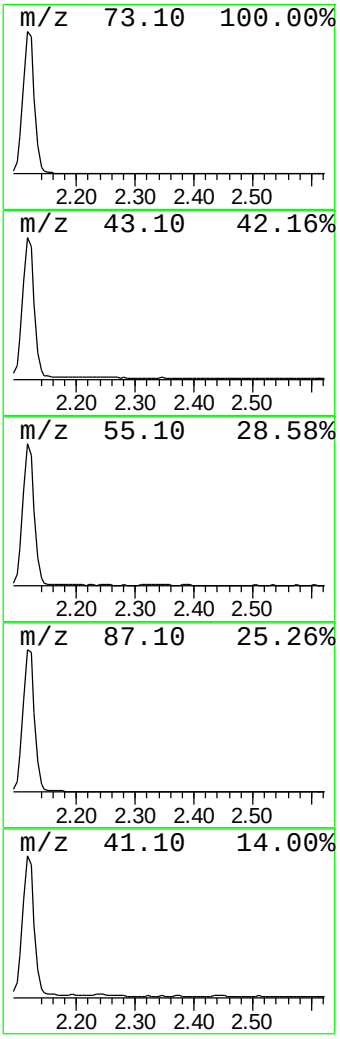
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	19.06 ng	1555730	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

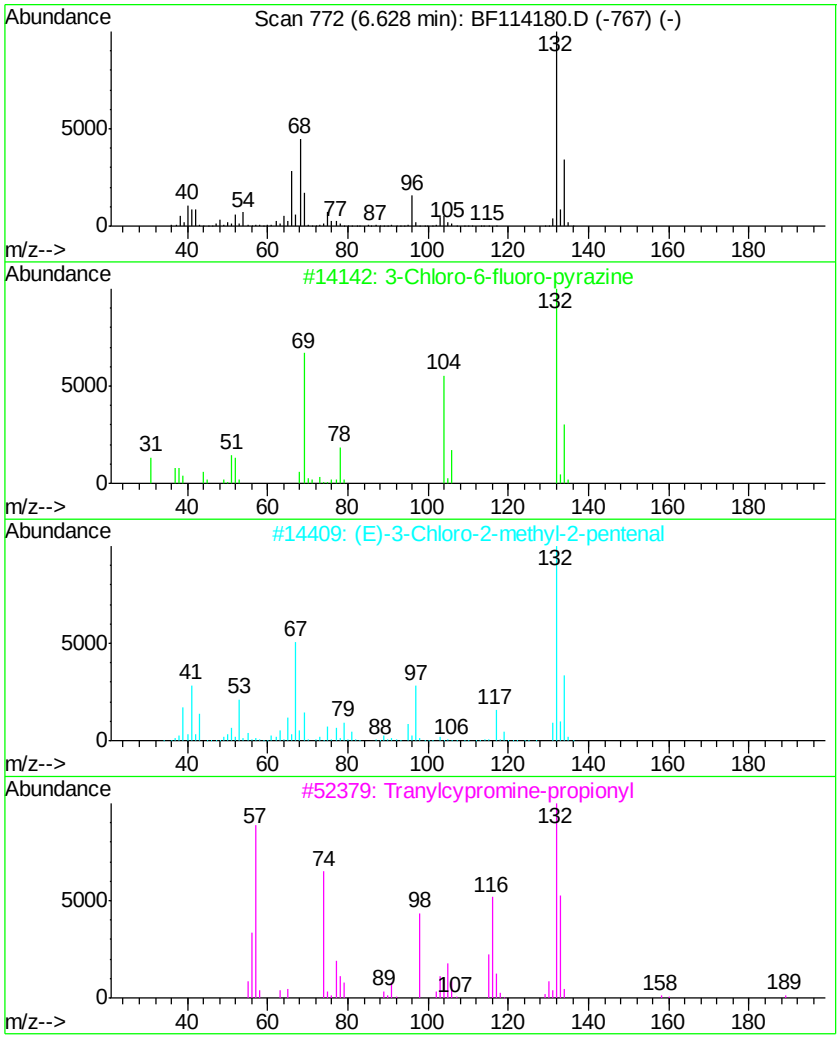
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

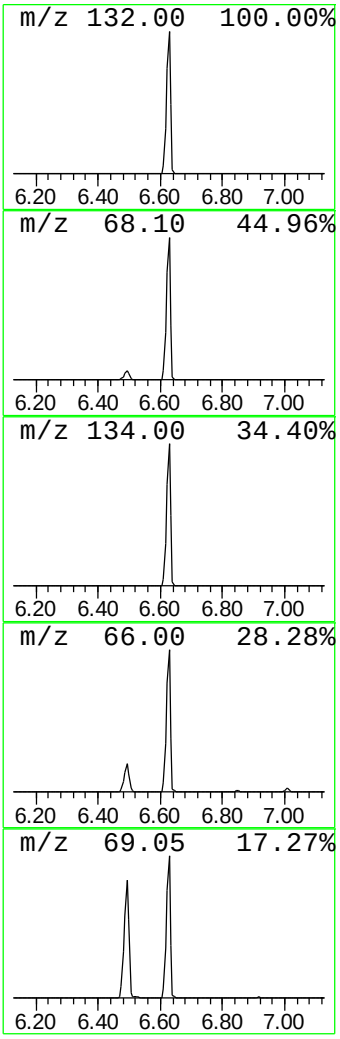
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	84.65 ng	6908610	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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Acq On : 12 May 2019 3:30
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Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

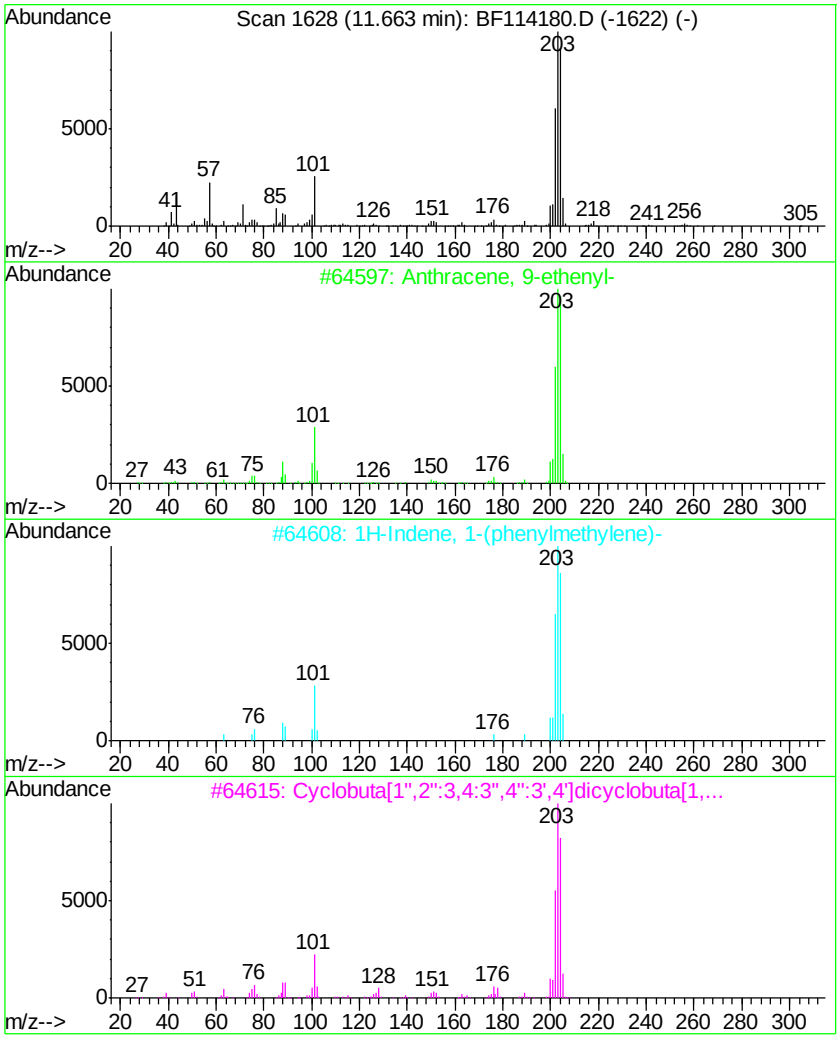
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

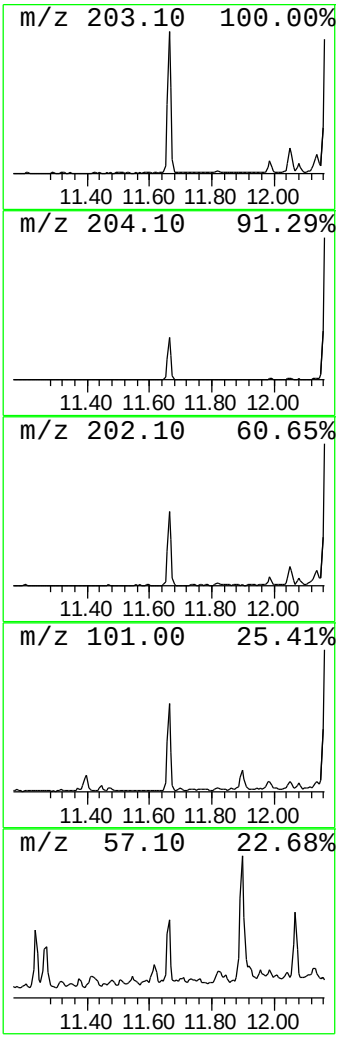
****

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	8.61 ng	908545	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
3	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
4	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	74
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
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Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

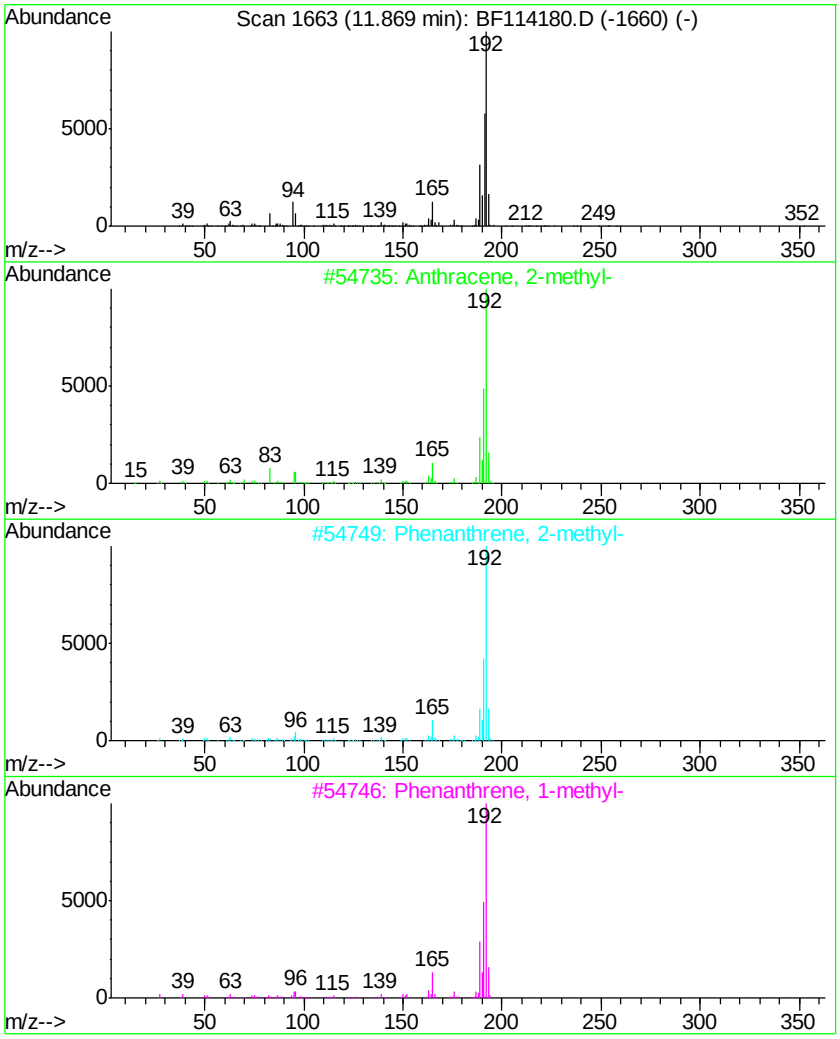
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

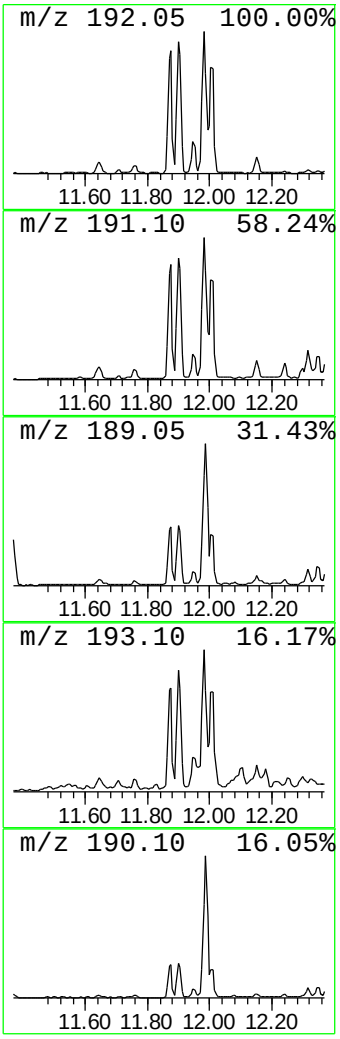
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	16.71 ng	1764130	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

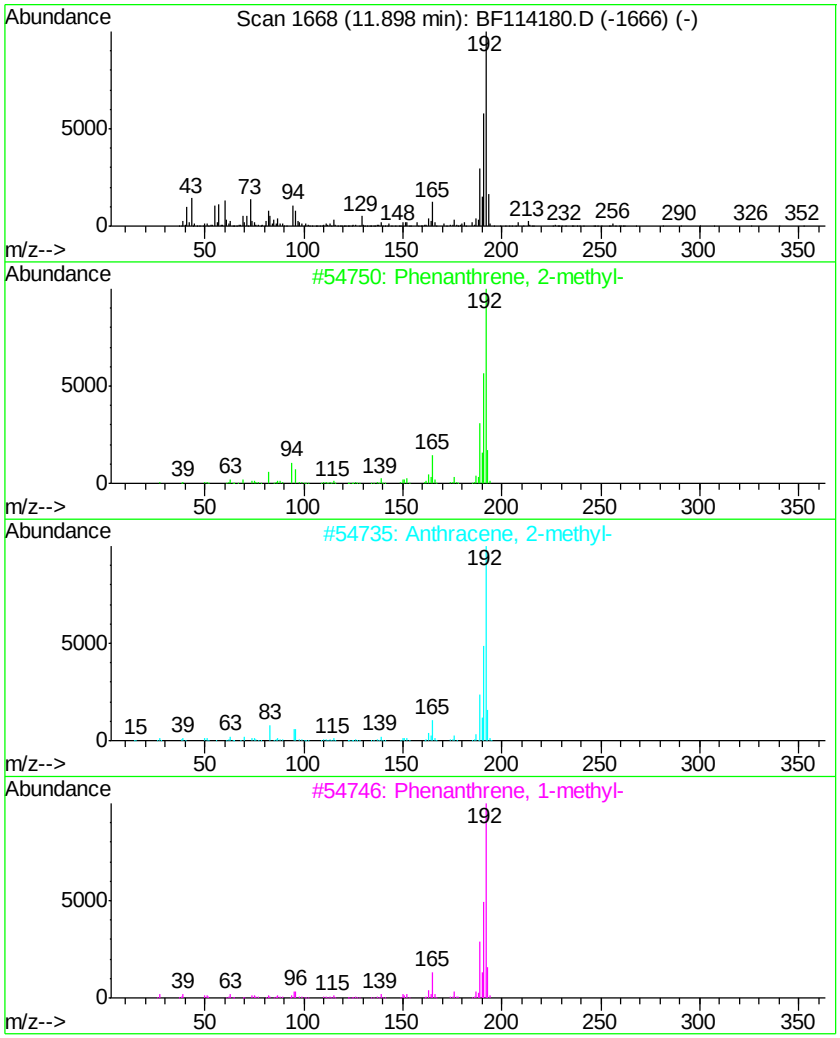
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

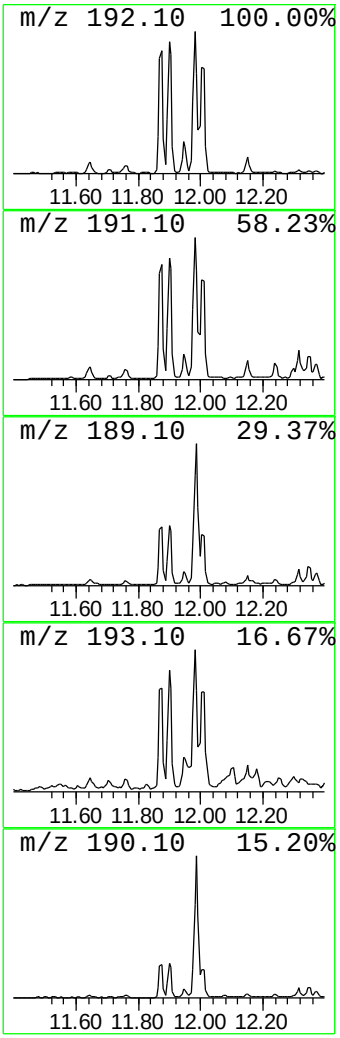
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	24.33 ng	2568220	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Library Search Compound Report

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Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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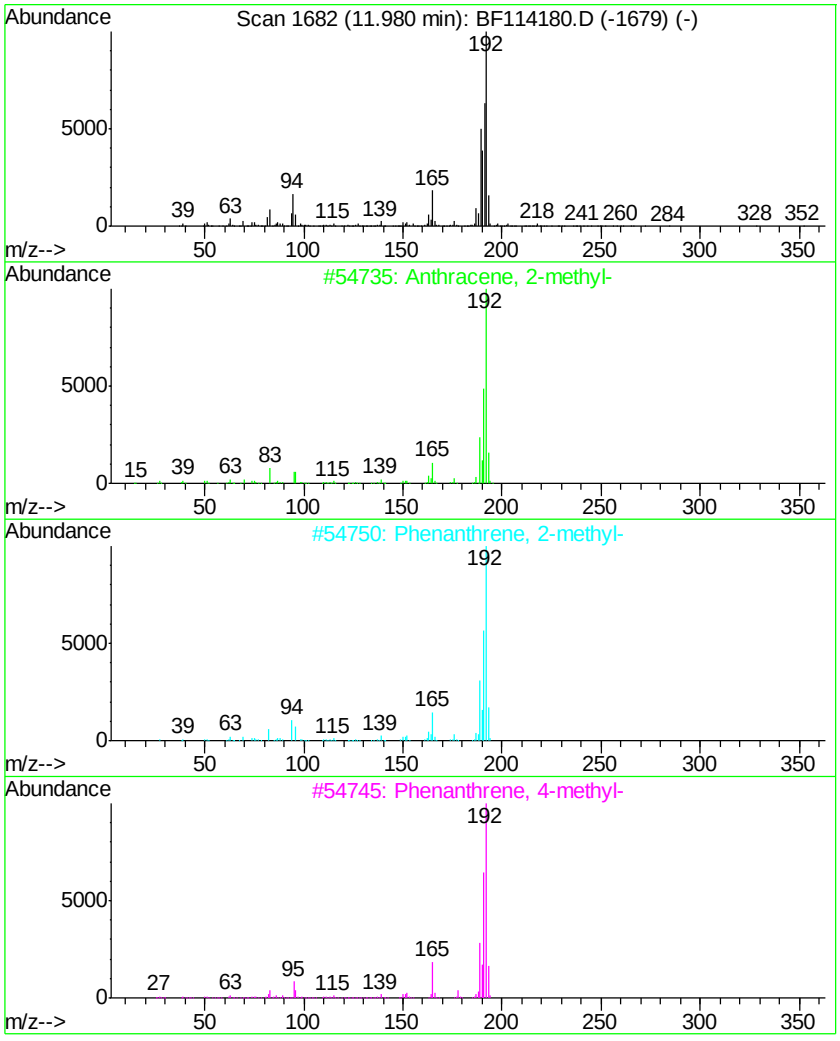
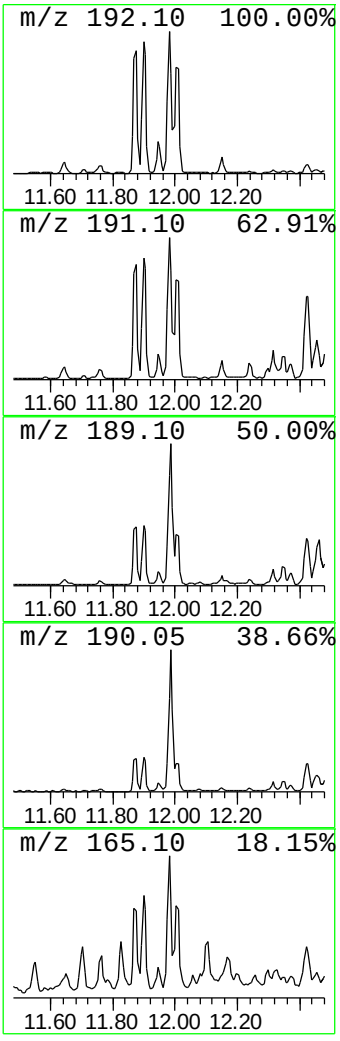
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	28.87 ng	3047700	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60





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Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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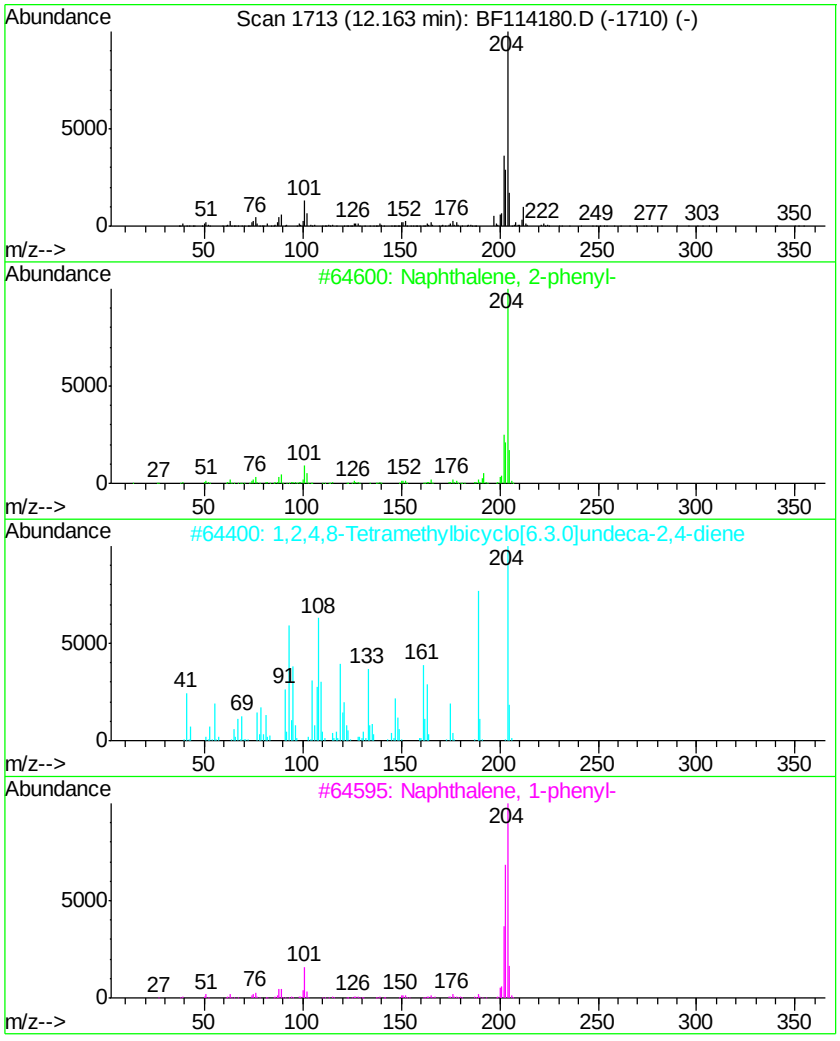
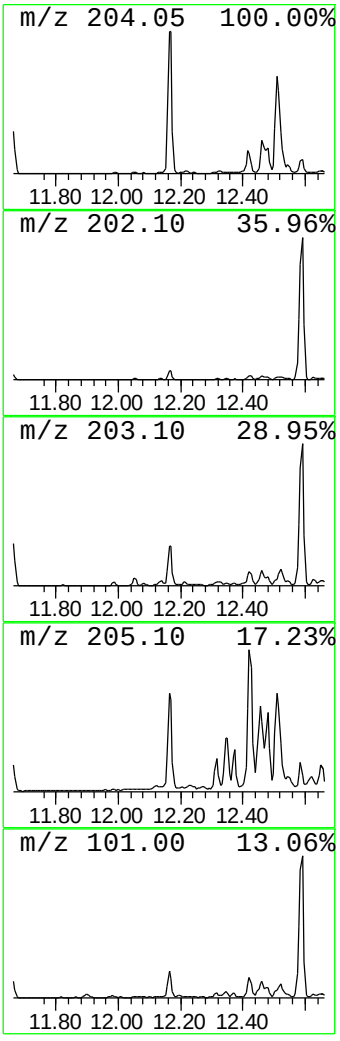
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	15.17 ng	1601170	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





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Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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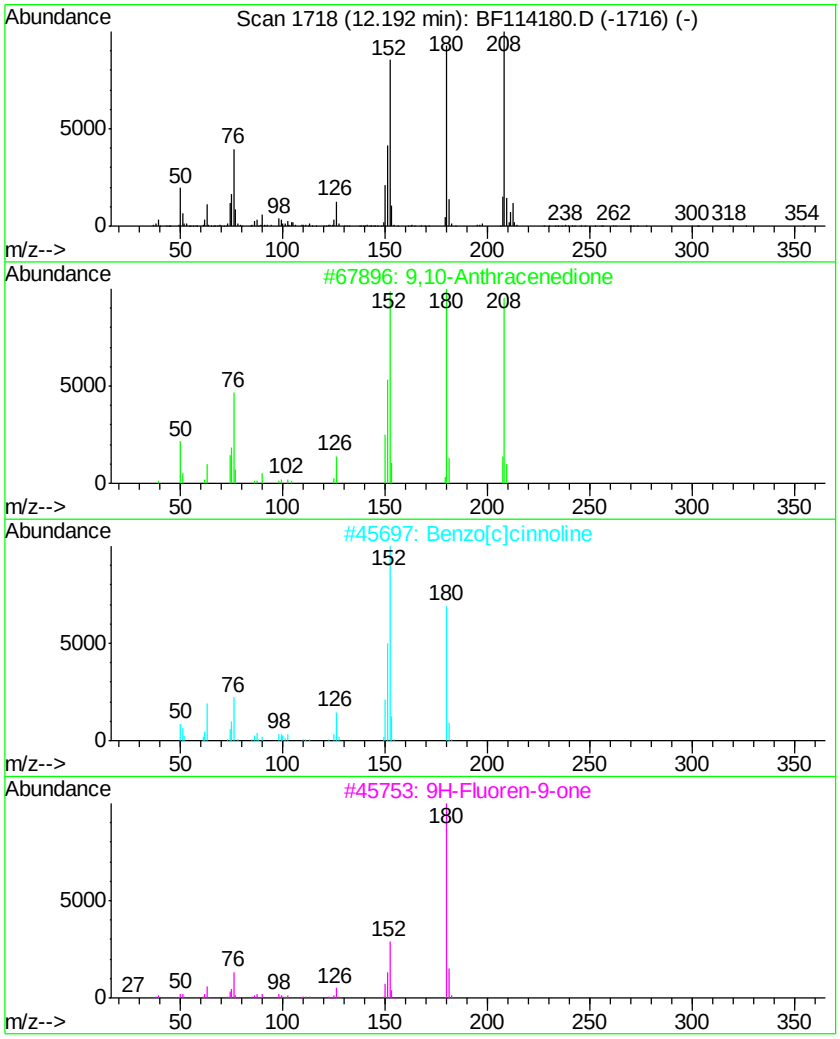
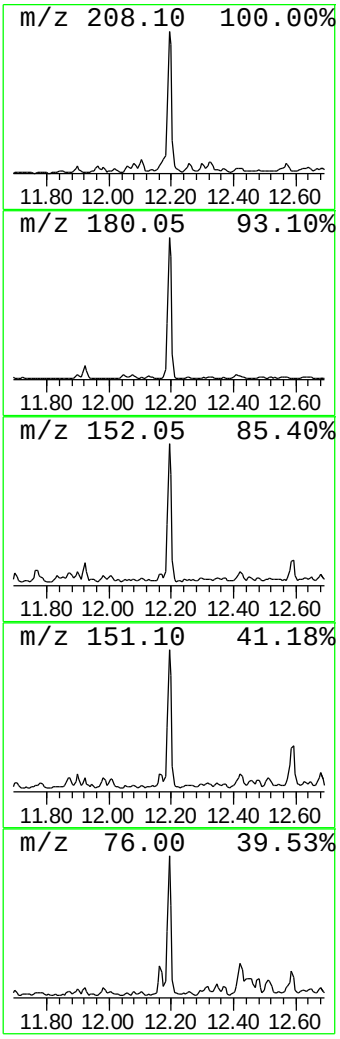
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	16.72 ng	1764470	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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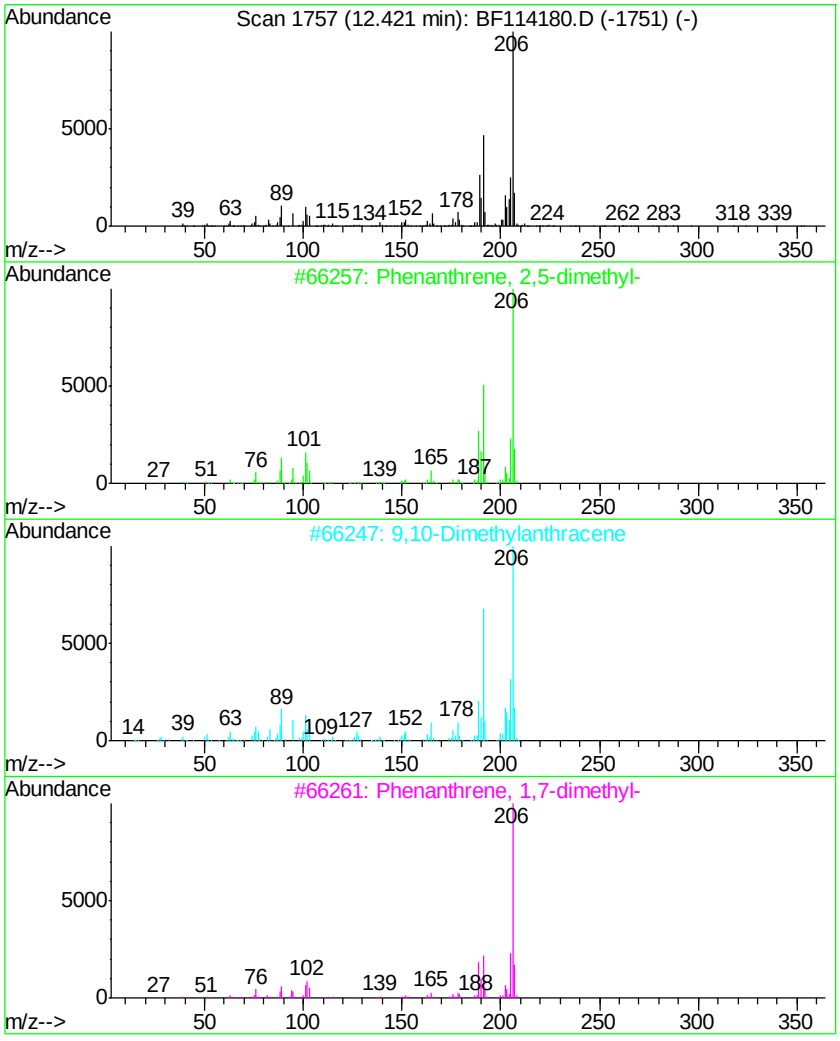
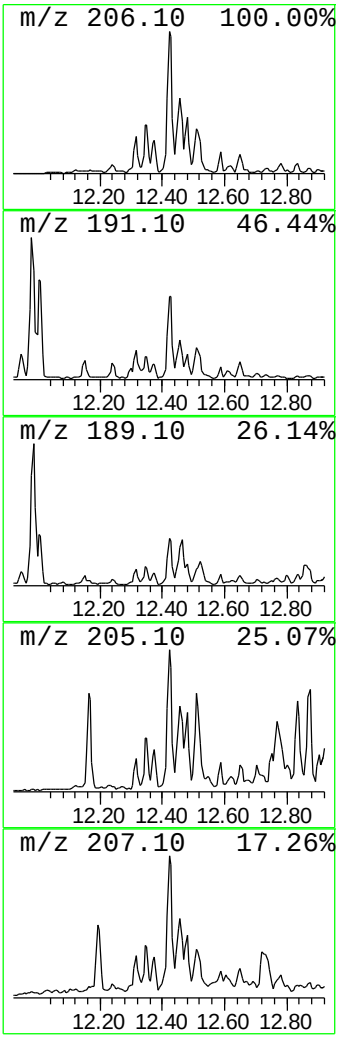
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	26.59 ng	2806950	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	92





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Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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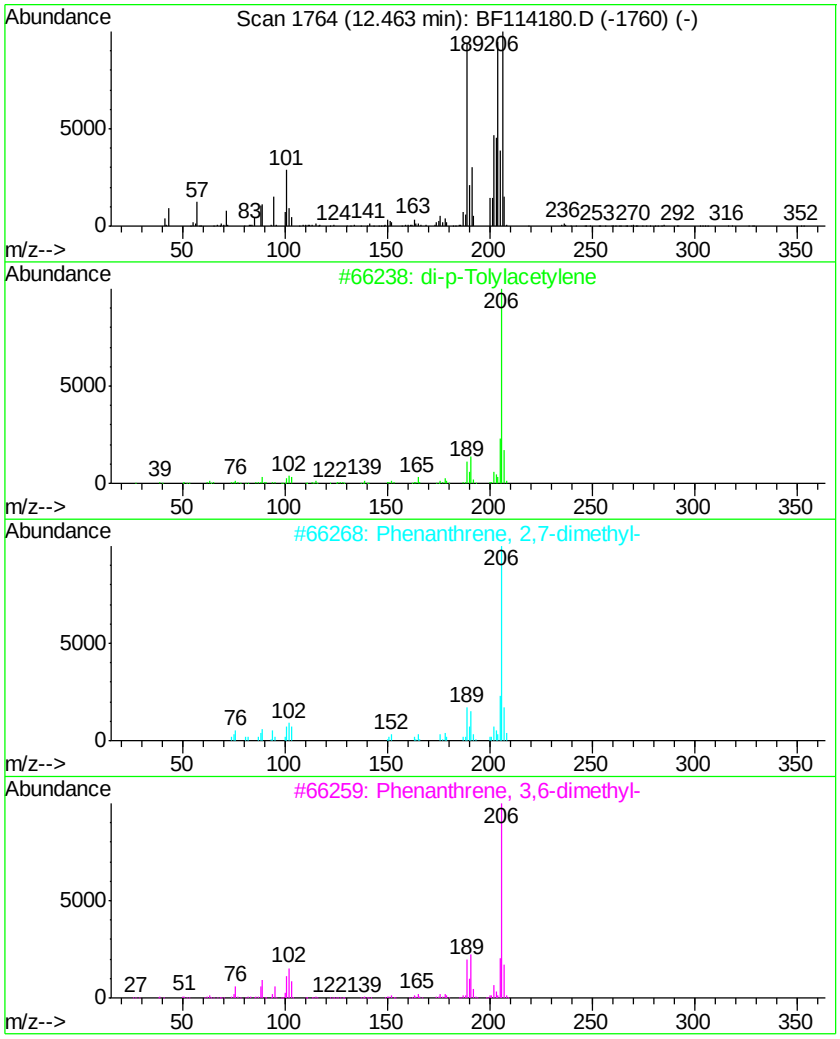
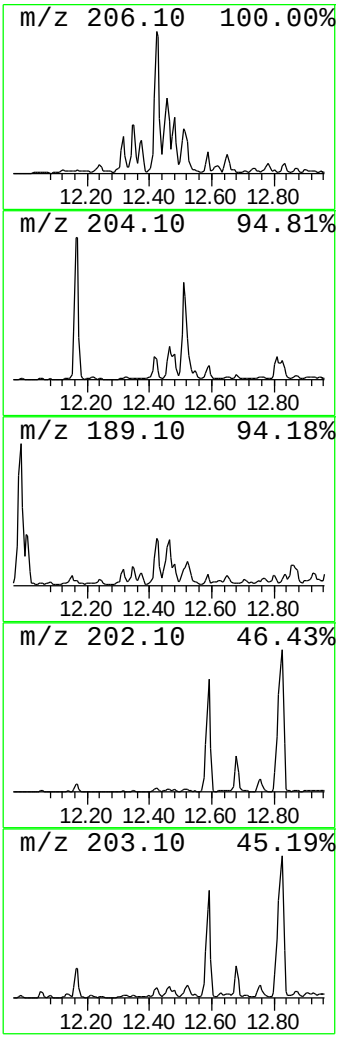
Peak Number 12 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.50 ng	686024	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	64
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	58





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ClientSampleId : P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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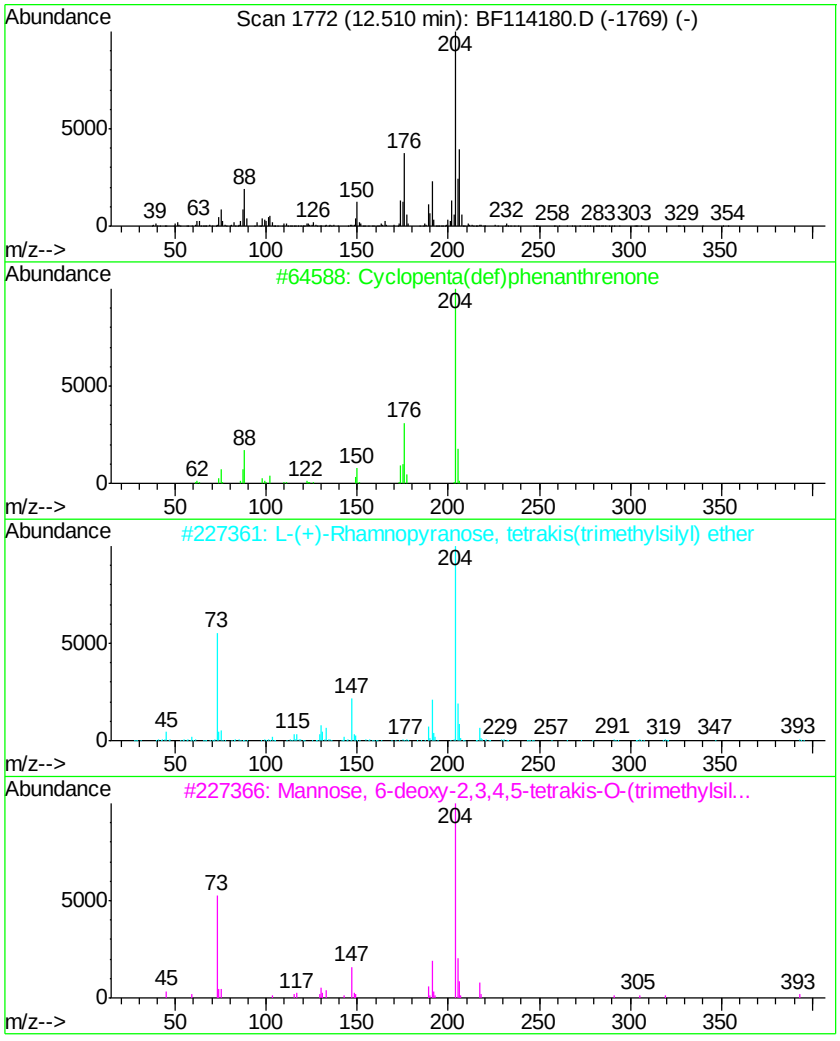
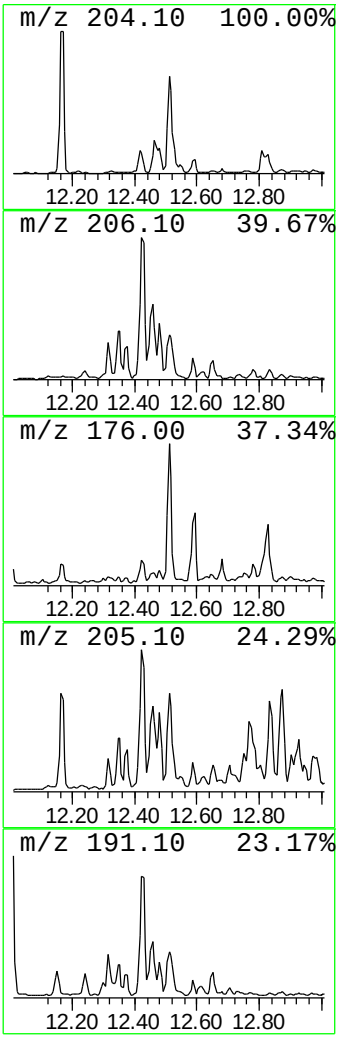
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	18.06 ng	1906130	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
3	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38





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ClientSampleId : P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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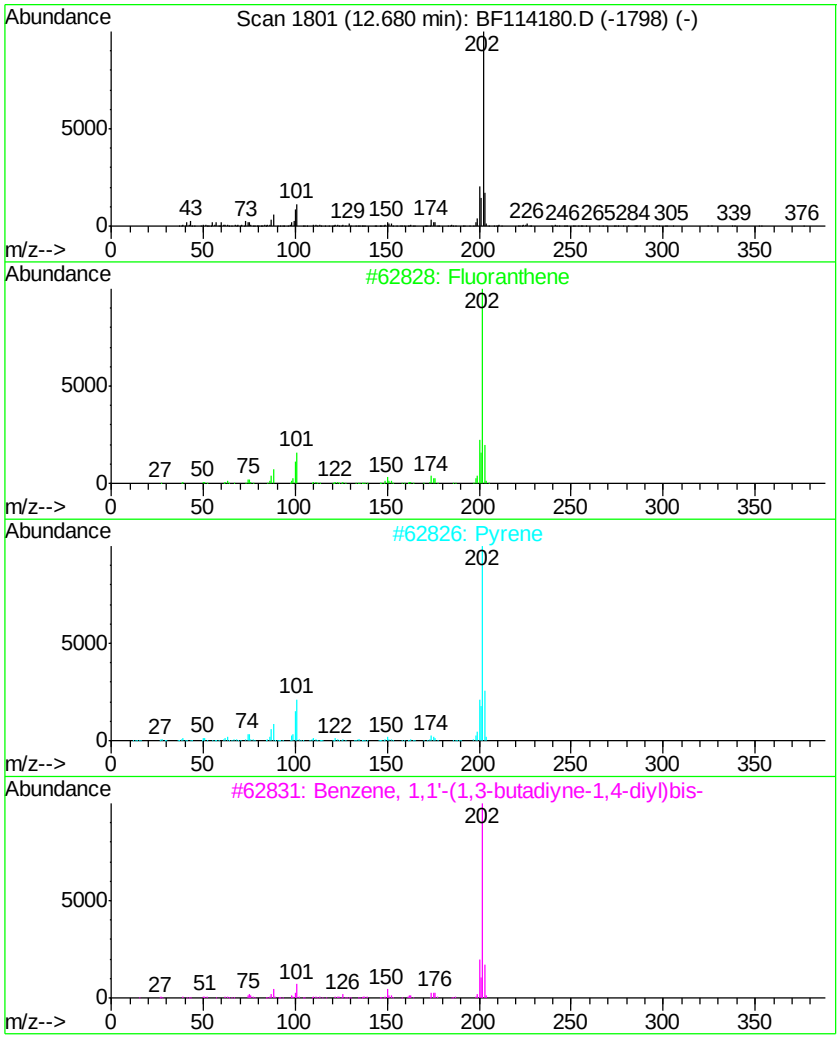
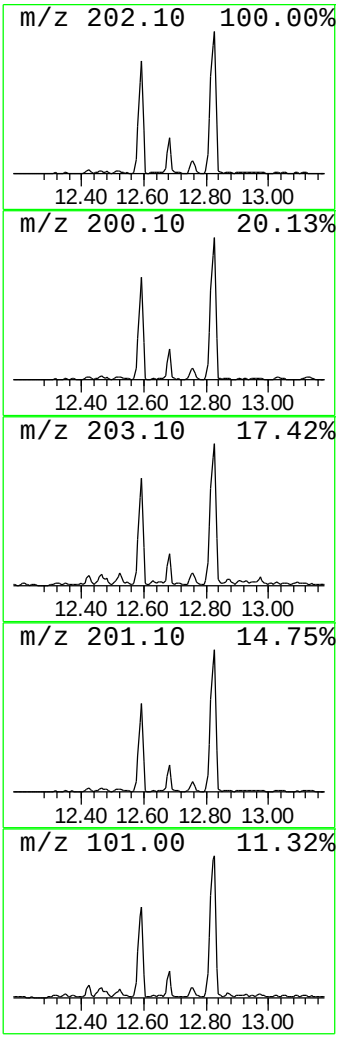
Peak Number 14 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	16.99 ng	1793000	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	98
2	Pyrene	202	C16H10	000129-00-0	94
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5	l-Leucine, N-methyl-N-(2-methoxy...	471	C27H53NO5	1000328-55-0	47





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ClientSampleId : P026-SS005-0612-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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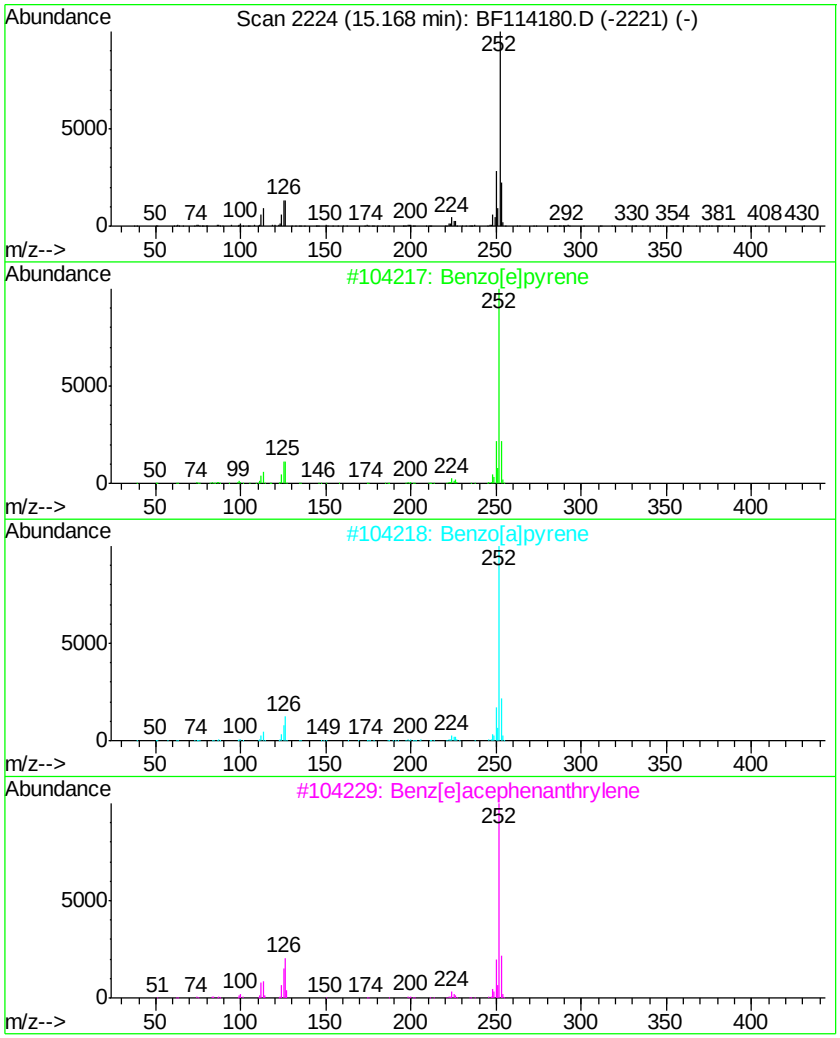
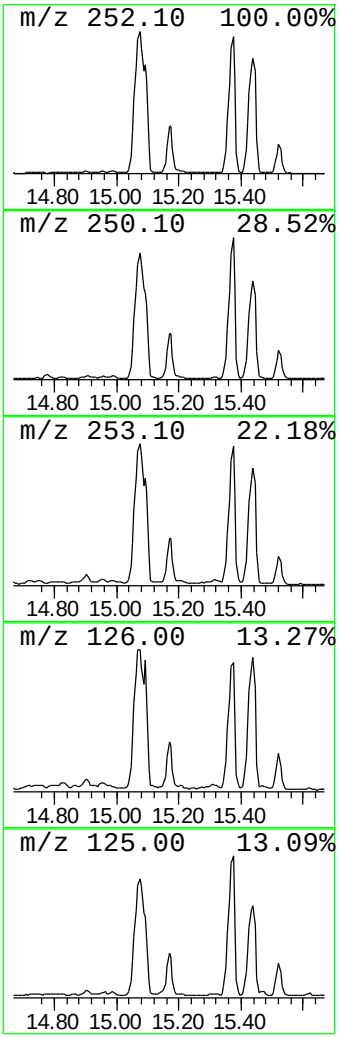
Peak Number 15 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	13.94 ng	1684150	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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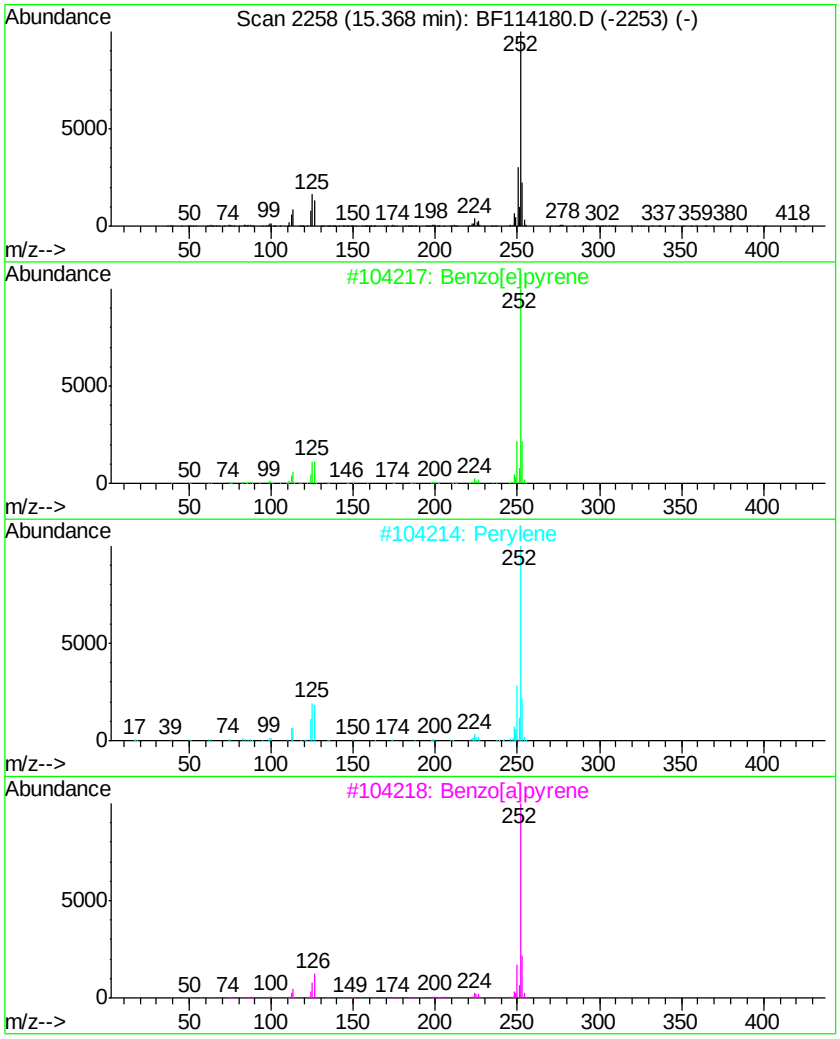
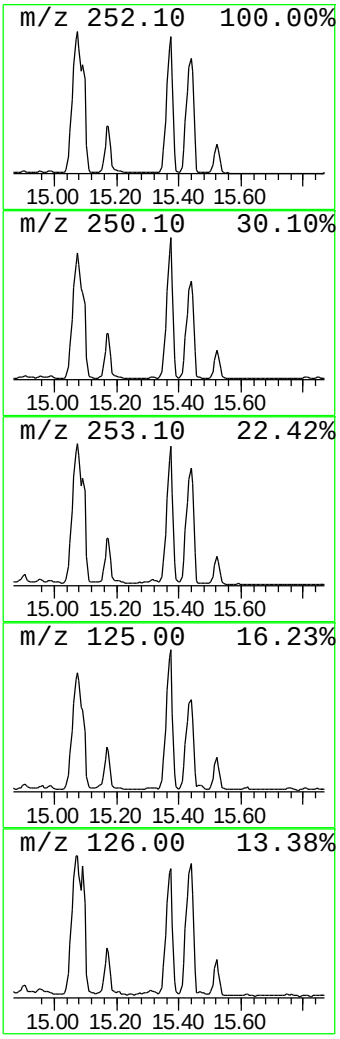
Peak Number 16 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	53.91 ng	6511830	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	98
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94





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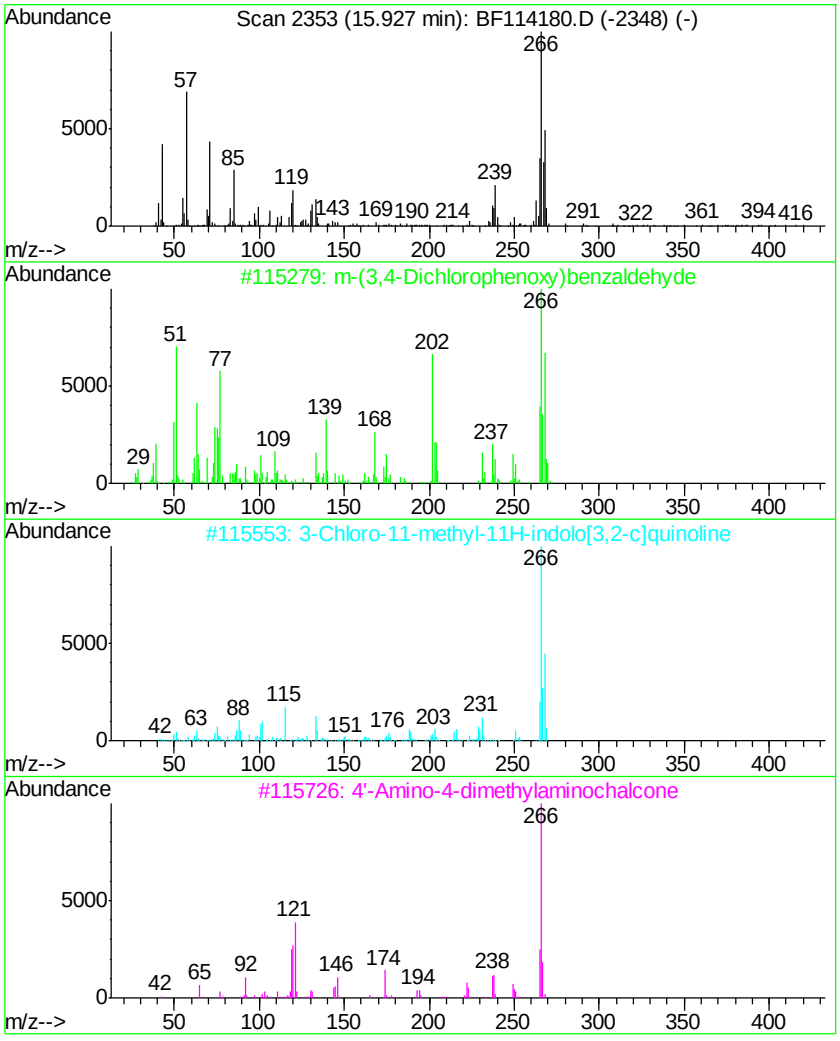
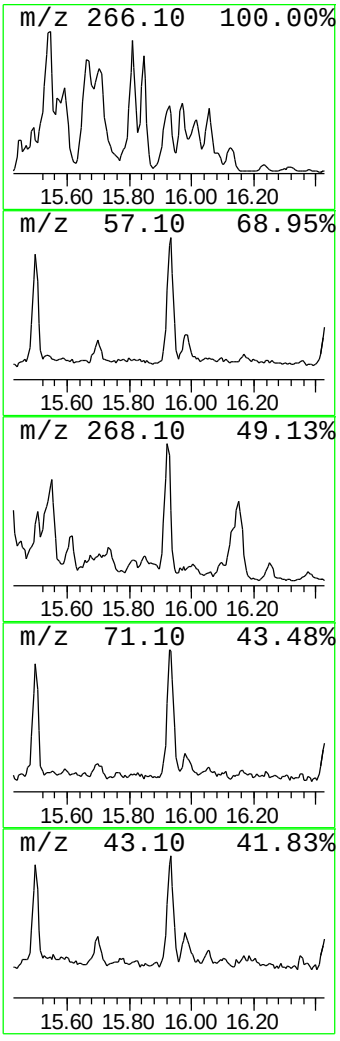
Peak Number 17 unknown15.93 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	6.35 ng	766400	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	m-(3,4-Dichlorophenoxy)benzaldehyde	266	C13H8Cl2O2	079124-76-8	49
2	3-Chloro-11-methyl-11H-indolo[3,...	266	C16H11ClN2	155249-46-0	49
3	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	47
4	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	43
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	43





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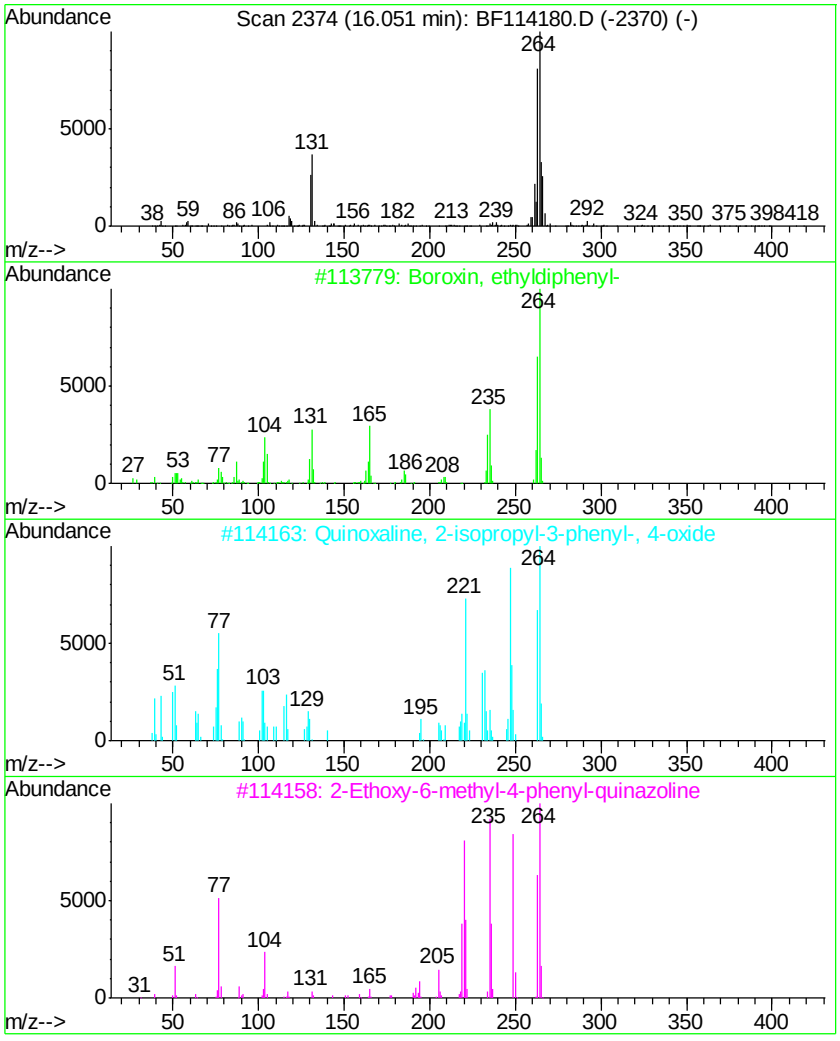
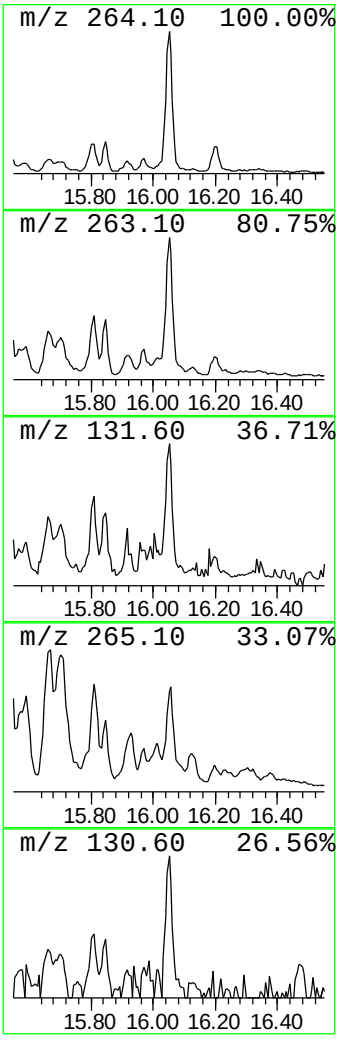
Peak Number 18 Boroxin, ethyldiphenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	6.25 ng	755310	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
2	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	47
3	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	47
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	35
5	2-[2-Quinolinyl]methylenequinucl...	264	C17H16N2O	1000257-08-0	25





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Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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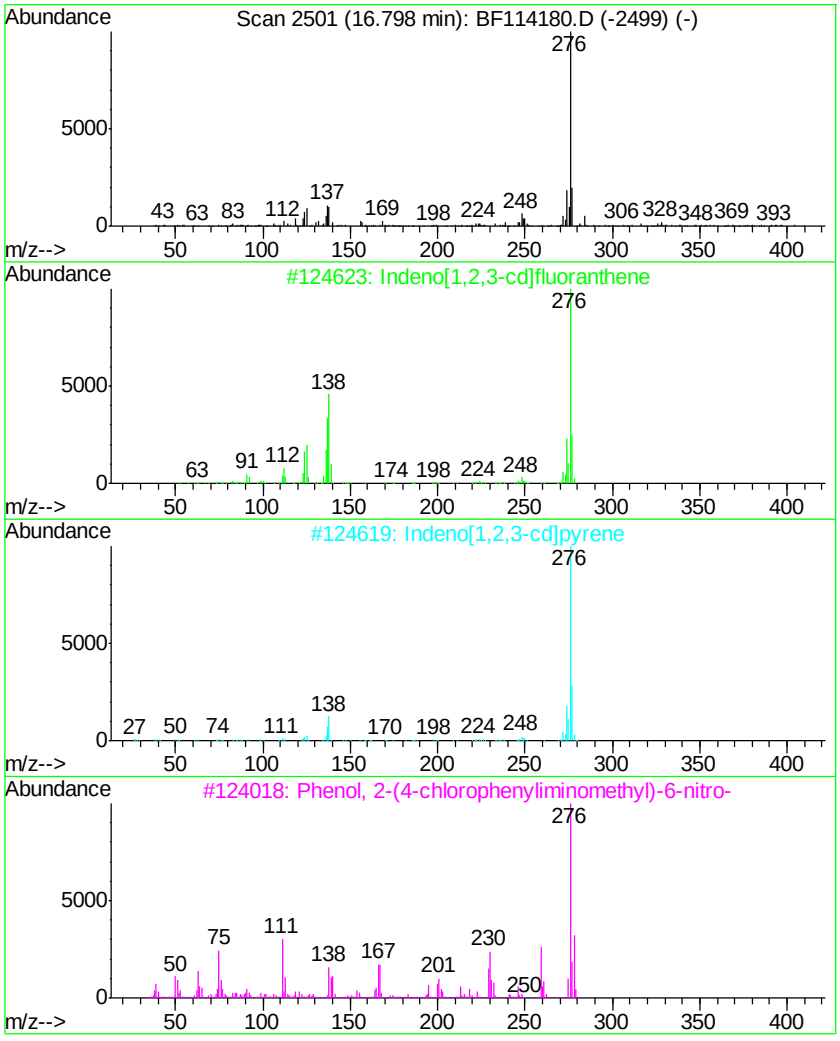
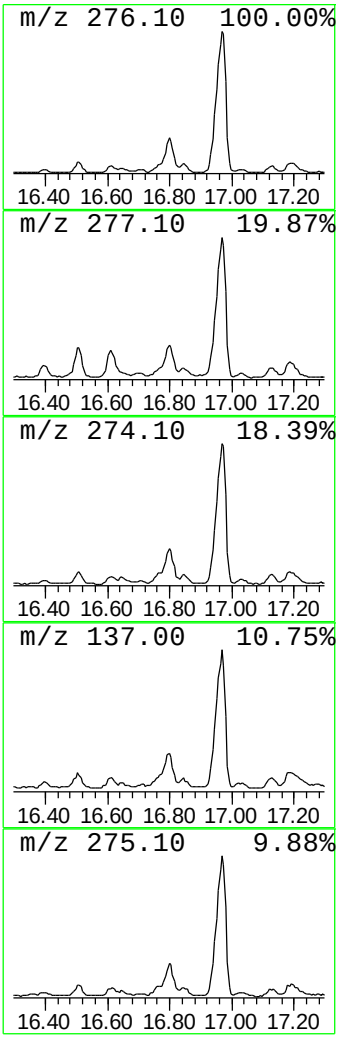
Peak Number 19 Indeno[1,2,3-cd]fluoranthene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	13.96 ng	1685700	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	58
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	55
3	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	47
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	47
5	2-Chloro-7-methoxyphenazine 5,10...	276	C13H9ClN2O3	023677-04-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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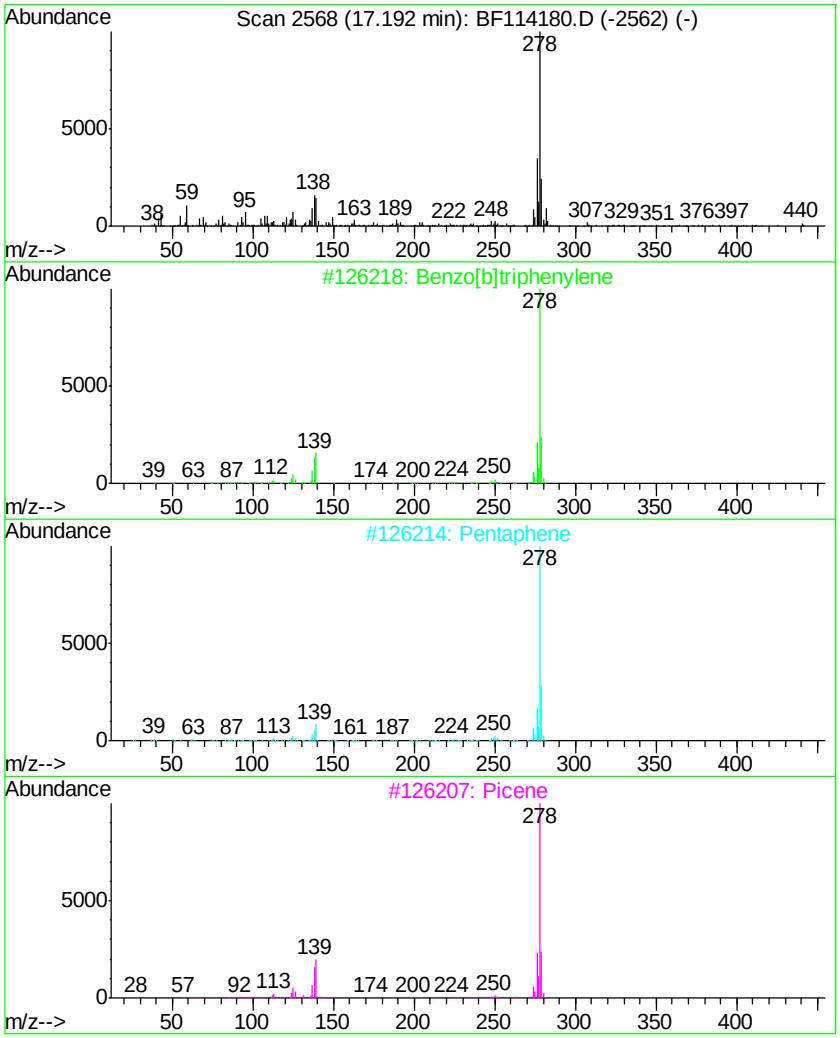
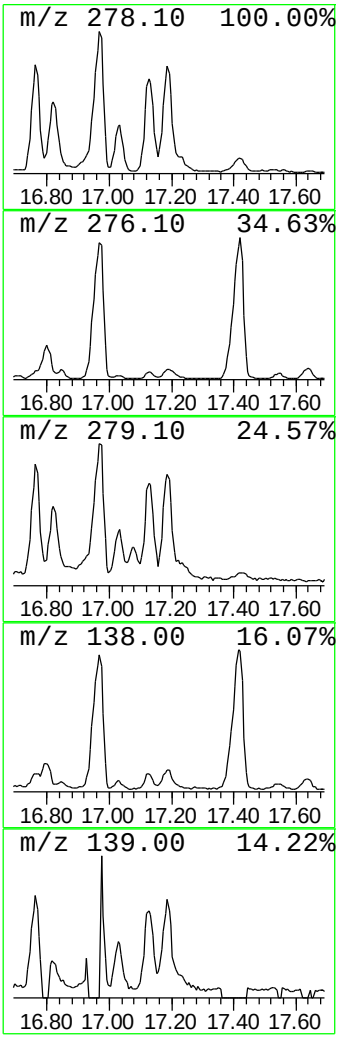
Peak Number 20 Benzo[b]triphenylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	17.58 ng	2123050	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Pentaphene	278	C22H14	000222-93-5	97
3	Picene	278	C22H14	000213-46-7	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	96
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114180.D
Acq On : 12 May 2019 3:30
Operator : JU/SJ
Sample : K2765-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS005-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.12	19.1	ng	1555730	1	6.85	1632340	20.0
unknown6.63	6.63	84.7	ng	6908610	1	6.85	1632340	20.0
Anthracene, 9-eth...	11.66	8.6	ng	908545	4	11.37	2111000	20.0
Anthracene, 2-met...	11.87	16.7	ng	1764130	4	11.37	2111000	20.0
Phenanthrene, 2-m...	11.90	24.3	ng	2568220	4	11.37	2111000	20.0
Phenanthrene, 4-m...	11.98	28.9	ng	3047700	4	11.37	2111000	20.0
Naphthalene, 2-ph...	12.16	15.2	ng	1601170	4	11.37	2111000	20.0
9,10-Anthracenedione	12.19	16.7	ng	1764470	4	11.37	2111000	20.0
Phenanthrene, 2,5...	12.42	26.6	ng	2806950	4	11.37	2111000	20.0
di-p-Tolylacetylene	12.46	6.5	ng	686024	4	11.37	2111000	20.0
Cyclopenta(def)ph...	12.51	18.1	ng	1906130	4	11.37	2111000	20.0
4,4'-Bis(tetrahyd...	12.68	17.0	ng	1793000	4	11.37	2111000	20.0
Benzo[e]pyrene	15.17	13.9	ng	1684150	6	15.49	2415670	20.0
Benzo[j]fluoranthene	15.37	53.9	ng	6511830	6	15.49	2415670	20.0
unknown15.93	15.93	6.3	ng	766400	6	15.49	2415670	20.0
Boroxin, ethyldip...	16.05	6.3	ng	755310	6	15.49	2415670	20.0
Indeno[1,2,3-cd]f...	16.80	14.0	ng	1685700	6	15.49	2415670	20.0
Benzo[b]triphenylene	17.19	17.6	ng	2123050	6	15.49	2415670	20.0